



# MATERIAL REPORT

DATE: 09/30/02

**TITLE:** Evaluation of Parker's Compound NX352-70

**CONCLUSION:** Compound NX352-70 meets or exceeds all requirements of subject specification.

**Recommended Temperature Range:** -25 to 250F

**Recommended for:** petroleum oils, water (up to 180F),  
Salt & Alkali solutions, weak acids

**Not Recommended for:** aromatic fuels, strong acids,  
glycols, ozone, polar solvents

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## REPORT DATA

<u>Original Physical Properties, ASTM D1414, D2240</u>	<u>NX352-70 Test Results</u>
Hardness, Shore A, pts.	73
Tensile Strength, psi	2277
Ultimate Elongation, %	160
Modulus @ 100%, psi	1276
<b>Compression Set, ASTM D395 Method B (70 hrs. @ 257°F)</b>	
Percent of Original Deflection	49
<b>Dry Heat Resistance, ASTM D573 (70 hrs. @ 257°F)</b>	
Hardness Change, pts.	-15
Tensile Change, %	-53
Elongation Change, %	-38
<b>Fluid Immersion, ASTM D471 ASTM #1 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	+9
Tensile Change, %	-26
Elongation Change, %	-52
Volume Change, %	-10
<b>Fluid Immersion, ASTM D471 IRM 903 Oil, (70 hrs. @ 302°F)</b>	
Hardness Change, pts.	+1
Tensile Change, %	-59
Elongation Change, %	-56
Volume Change, %	+11